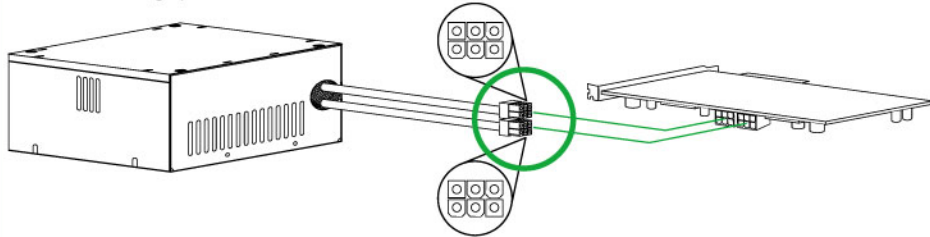# IMPORTANT TIPS & TECHNIQUES

Properly powering your XFX graphics card.
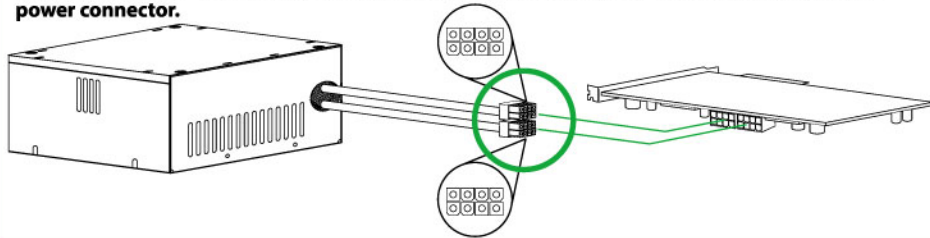
Good Power Connection

Connect two individual PCI Express (6-pin) power cables directly from the power supply to each individual connector on the graphics card.
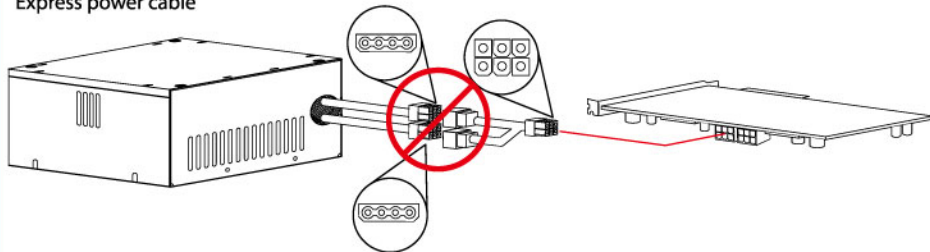

Good Power Connection

Connect two individual PCI Express (8-pin) power cables directly from the power supply to each individual connector on the graphics card. **Note: Do not plug a 6-pin power cable into an 8-pin power connector.**
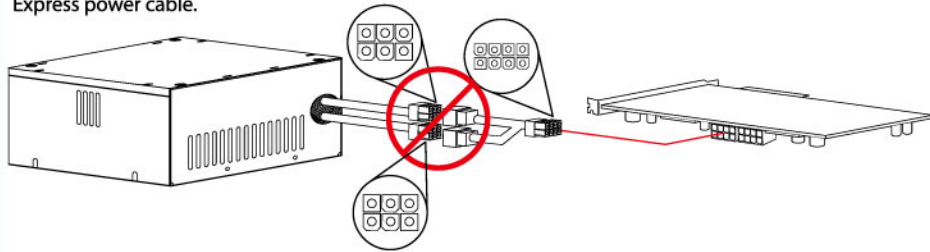

Bad Power Connection

XFX does not support the use of two 4-pin to one 6-pin power cable converter for these graphics cards. They are only designed to work with high performance power supplies using 6-pin PCI Express power cable
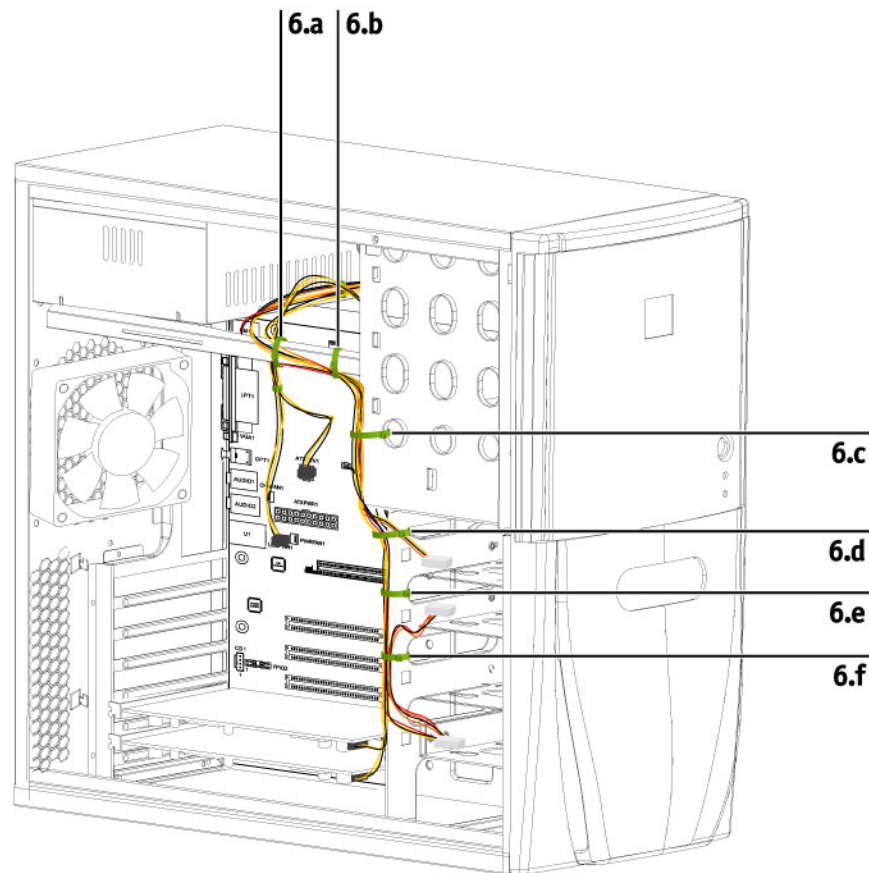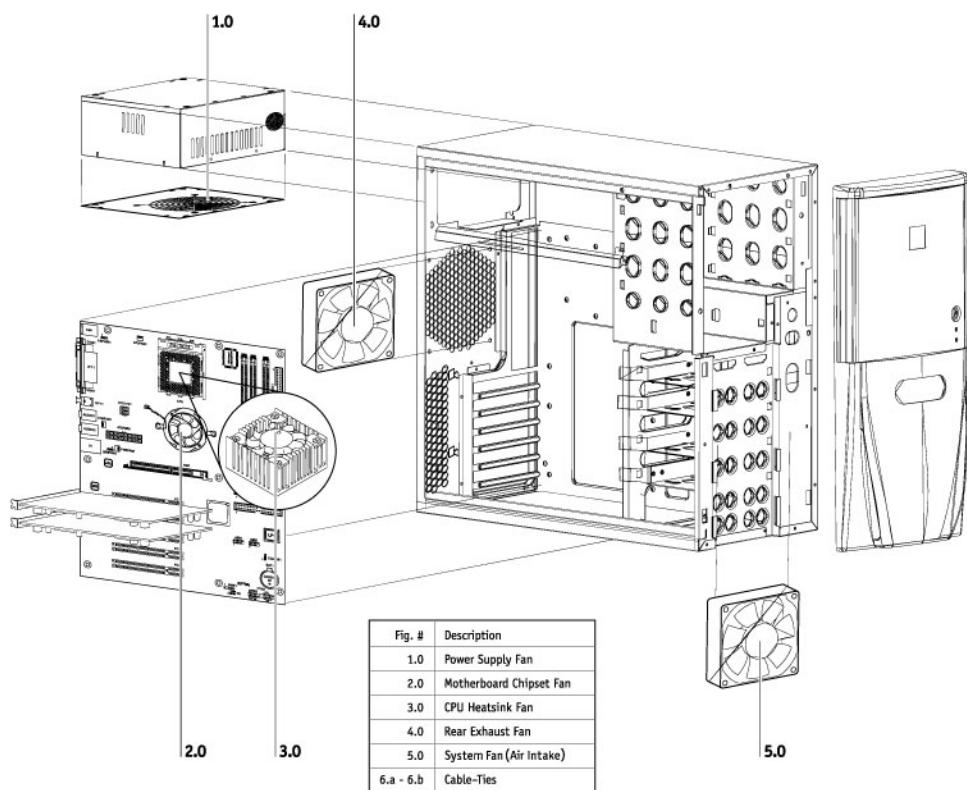

Bad Power Connection

XFX does not support the use of two 6-pin to one 8-pin power cable converter for these graphics cards. They are only designed to work with high performance power supplies using 8-pin PCI Express power cable.

XFX
play hard.

Important Tips & Techniques

IMPORTANT TIPS & TECHNIQUES

Optimize the performance and longevity of your XFX powered PC system

Fig. #	Description
1.0	Power Supply Fan
2.0	Motherboard Chipset Fan
3.0	CPU Heatsink Fan
4.0	Rear Exhaust Fan
5.0	System Fan (Air Intake)
6.a - 6.b	Cable-Ties

Tips & Advice

This XFX graphics card is designed to enhance your gaming and multimedia experience. Your graphics card should be complemented with proper components to optimize the overall system performance.

- Computer Case – For proper air circulation, keep side panel closed when your system is in operation. An open case may disrupt the airflow within the chassis. Increased thermal temperatures due to lack of airflow will affect the performance of many components in your system.

- Power Supply – Verify that the power supply meets the minimum recommended specification for your XFX graphics card. An inadequate power supply will cause stability issues in your system. It is ideal for the power supply to have a 80mm-120mm fan to circulate air. (Figure 1.0)

- System Fans – To increase air circulation within the chassis, it is recommended to utilize at least one system fan as an exhaust. Normally, the fan is placed in the rear section of the system when used as an exhaust to blow air out. Additional fans will further increase air circulation (Figure 4.0 – rear exhaust, Figure 5.0 – optional intake). NOTE: Refer to your case manufacturer for the appropriate fan sizes.

- Internal Cabling – Improper cabling may affect the air circulation within the chassis. Proper cable management will also improve the appearance and accessibility to components. The use of cable-ties to harness the cables to the PC frame or chassis is a good solution. (Figures 6.a to 6.f)

- Cleaning and Maintenance – The internal hardware cleaning is typically neglected. Dust can easily settle and build-up on components despite proper air circulation. The dust can act as a blanket trapping heat. This will also affect the performance of the graphic cards and system fans/heatsinks. A convenient solution for the regular maintenance is by opening the case and using compressed air to blow the dust away systematically.

XFX
play hard.

www.xfxforce.com

73-G9000110-000